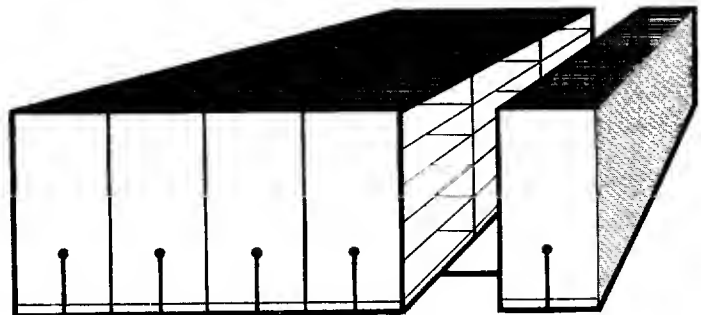
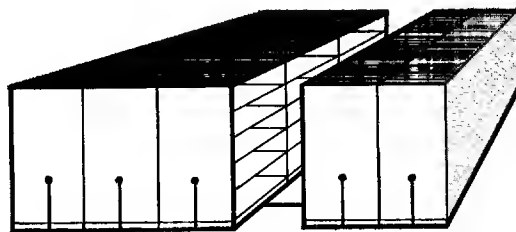
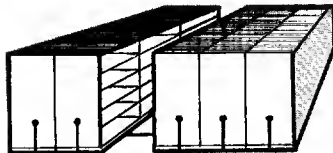


# Magic Aisle®

## SOLID STATE FILING AND STORAGE SYSTEMS



# HPH

INDUSTRIES, INC.

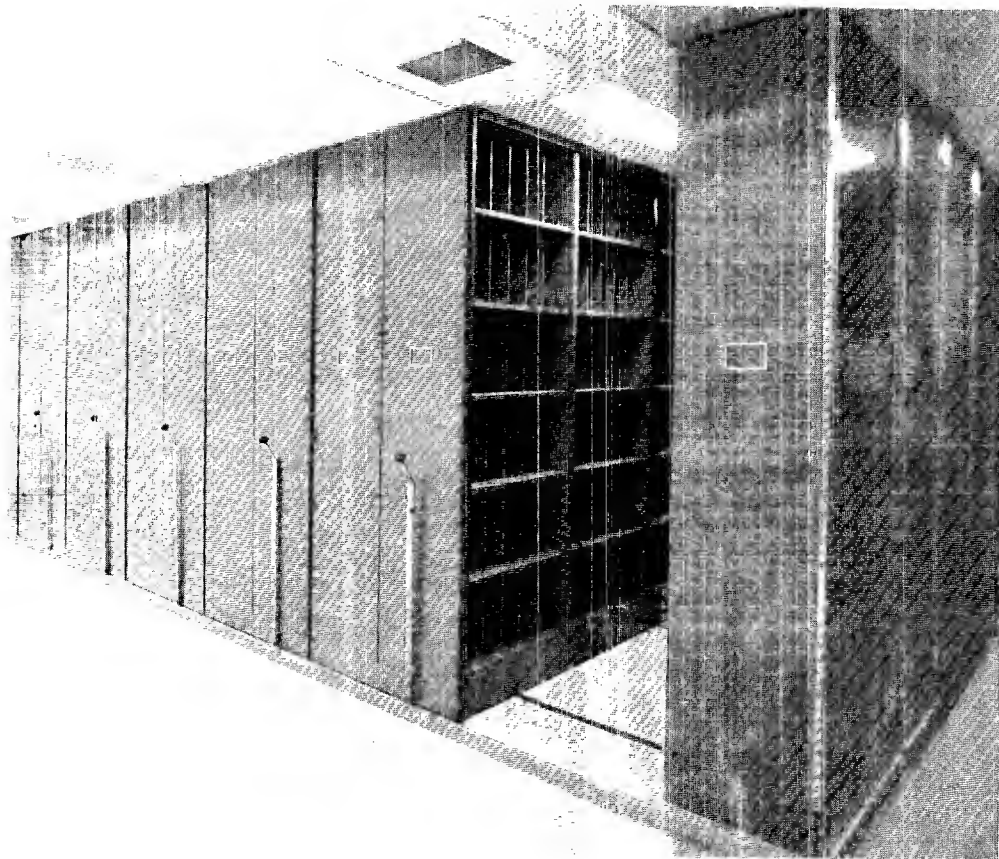
NEED MORE SPACE FOR FILES AND RECORDS?

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*Magic Aisle*®

SOLID STATE STORAGE SYSTEMS IS THE ANSWER!!!

Utilized in: HOSPITALS — LIBRARIES — AEROSPACE — SCHOOLS — INDUSTRIAL



*Magic Aisle*®

MAGIC AISLE SOLID STATE STORAGE SYSTEMS introduces mobility to conventional storage "racks or shelves" of all types. This mobility allows the dead "aisle" space of conventional storage areas to be utilized.

*Magic Aisle*®

ONE MAGIC AISLE DOES  
THE WORK OF MANY!!!

*Magic Aisle*®

MAGIC AISLE DOUBLES THE  
STORAGE CAPACITY OF MOST  
EXISTING TYPES OF FILING OR  
STORAGE FACILITIES.

Steel files or shelves are mounted on "carriages", designed to handle loads up to 300 tons. The carriages, controlled electrically or manually, travel on steel tracks. When not in use, all carriages remain in position immediately adjacent to each other. When access to a particular file, rack or shelf is required, all adjacent carriages can be easily moved in either direction to create an aisle.

This unique system allows for the maximum utilization of space, and also provides a "vault-like" container which reduces the penetration of dust and light. It inhibits pilferage and minimizes damage that could be caused by fire.

An automatic safety device protects all personnel from any possible injury while operating the Magic Aisle system.

*Magic Aisle*®

MAGIC AISLE MAY BE INSTALLED AT A COST LESS THAN CONVENTIONAL FILING OR STORAGE SYSTEMS, AND CONTINUE TO SAVE BOTH TIME AND MONEY FOR YEARS TO COME.

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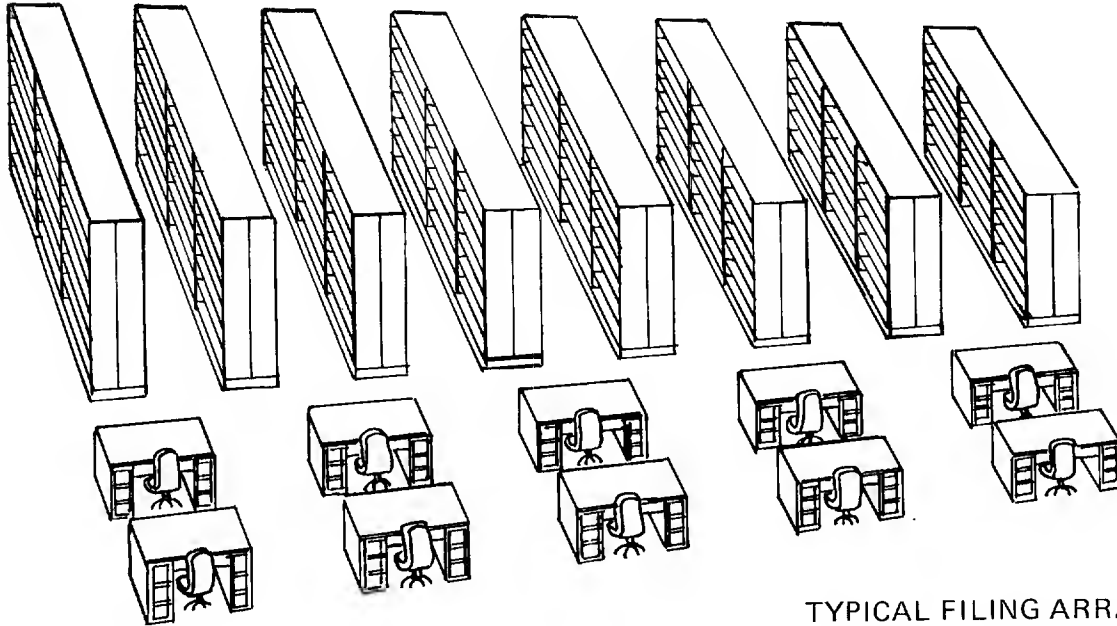


SOLID STATE FILING AND STORAGE SYSTEMS

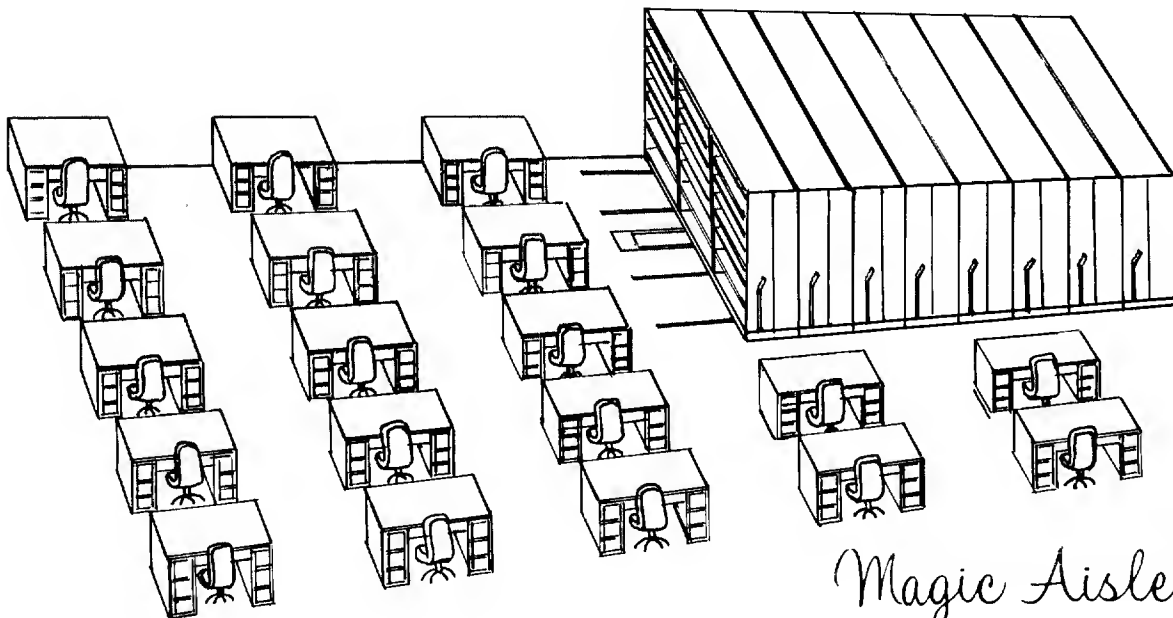
NEED MORE OFFICE SPACE?

*Magic Aisle*

IS THE ANSWER



TYPICAL FILING ARRANGEMENT



*Magic Aisle*® SYSTEM

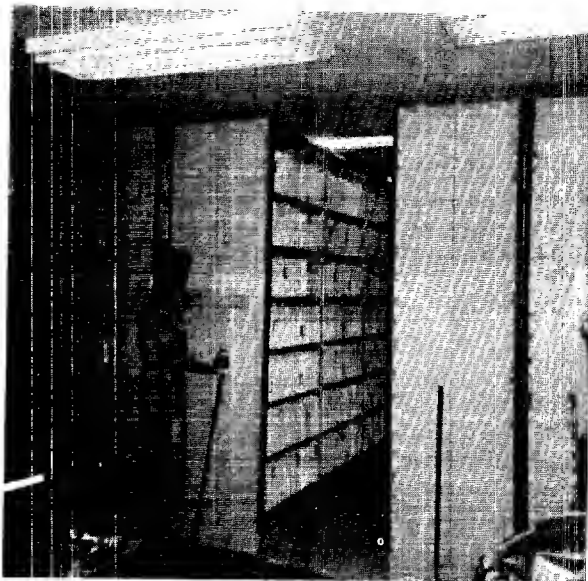
INSTALLATION OF MAGIC AISLE CONTAINS SAME TOTAL AREA, WHILE RELEASING 50% MORE OFFICE SPACE. THE ABOVE IS A GRAPHIC ILLUSTRATION OF TYPICAL SPACE SAVING STORAGE FEATURES MAGIC AISLE OFFERS. VALUABLE OFFICE SPACE UTILIZED FOR PRODUCTIVE ADMINISTRATION.



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Magic Aisle®

ELECTRICALLY



#### THIS INSTALLATION OF MAGIC AISLE

Consolidated all medical and personnel records in one area, thereby eliminating the cost of moving from one office to another.

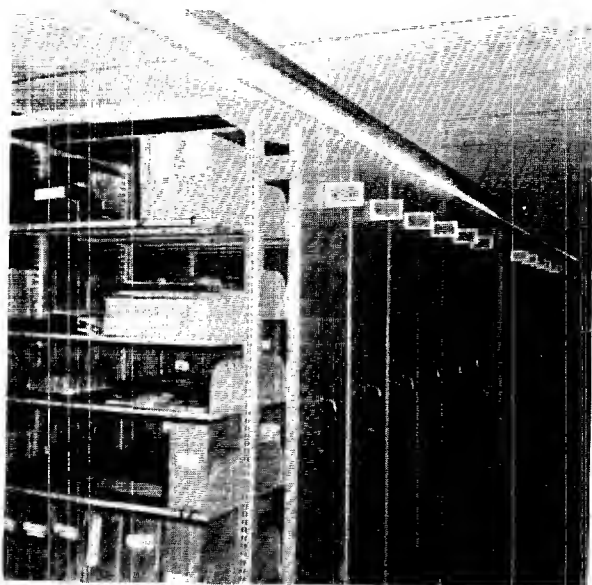
Released existing storage area for productive use.

An additional 50% savings were made by re-using existing shelving.

Building: PROVIDENCE MEMORIAL HOSPITAL  
Location: EL PASO, TEXAS  
Architect: CARROLL AND DAEUBLE AND ASSOCIATES

Magic Aisle®

MANUALLY



#### THIS UNIVERSITY CHOSE MAGIC AISLE

Because of priceless and rare volumes of books and manuscripts to be stored and safeguarded!

Protects against fire and exposure to dust and light!

Building: WILLIAM MARSH RICE UNIVERSITY  
Location: GRADUATE RESEARCH LIBRARY  
Houston, TEXAS  
Architect: STAUB, RATHER AND HOWZE



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Magic Aisle® SOLID STATE FILING AND STORAGE SYSTEMS

# Y OPERATED SYSTEM

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## THIS HOSPITAL UTILIZED MINIMUM SPACE

By condensing ten-years of stored X-ray film in an area 13' x 23'!

MAGIC AISLE SAVED TIME AND MONEY by eliminating high cost of construction and will continue to save both time and money for years to come.



Building:  
Location:  
Architect:

SHARP MEMORIAL HOSPITAL  
SAN DIEGO, CALIFORNIA  
FRANK L. HOPE AND ASSOCIATES

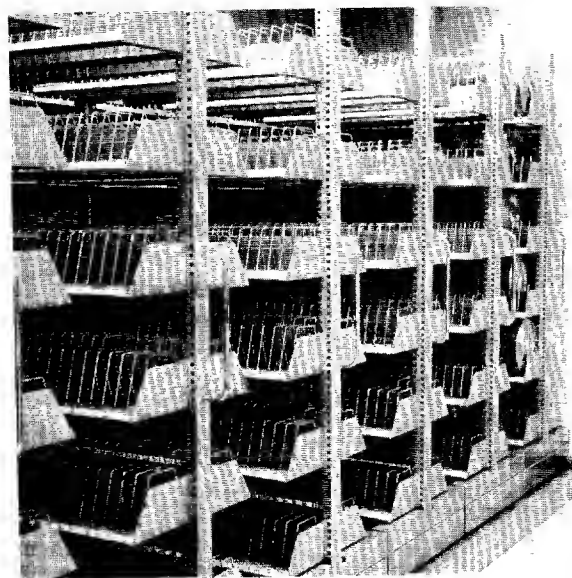
# OPERATED SYSTEM

## THIS INSTALLATION OF MAGIC AISLE

Depicts versatility!

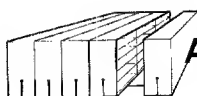
Western Air Lines choice of storage for magnetic media tape!

Also ideal for storage of Audio-visual tapes and films!



Building:  
Location:

WESTERN AIR LINES  
LOS ANGELES INTERNATIONAL AIRPORT



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SYSTEMS

SOLID STATE STORAGE SYSTEMS OFFERS THESE OUTSTANDING FEATURES!!!



1.

**ELECTRIC MASTER CONTROL PANEL —**

Light indicates system operational.  
Key Lock switch for maximum security.  
"On" & "Off" Push Button Control.

2.

**VERSATILITY —**

MAGIC AISLE offers all types of files and shelving.  
EXISTING FILES AND SHELVING  
MAY BE RE-USED.

3.

**SOLID STATE CONSTRUCTION —**

MAGIC AISLE is fire retardant,  
dust and light proof.

4.

**ACTUATING ARMS —**

Finger tip controlled.

5.

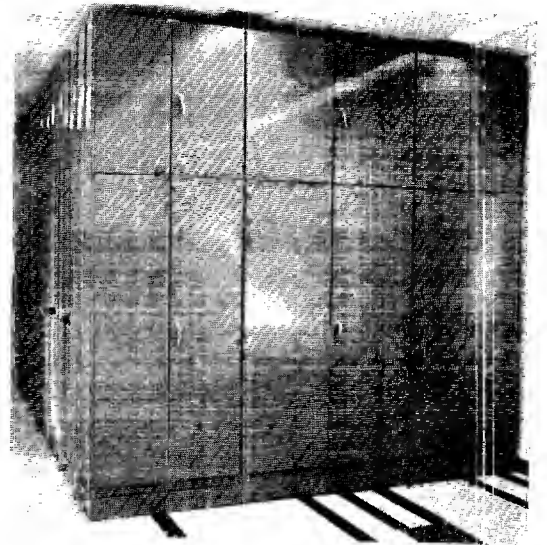
**GUIDE WHEELS —**

Exclusive lateral roller bearing guide  
insures perfect alignment.

6.

**SAFETY FEATURES —**

Adjustable torque limiting device protects  
all personnel from any possible injury.



8.

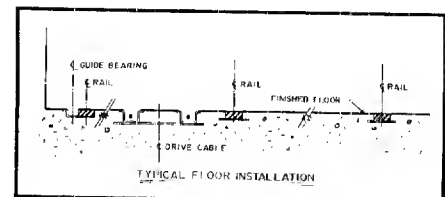
**FLUSH MOUNTED DRIVE & TRACKS —**

Rails, guide and cable channels are flush  
mounted to finished floor.

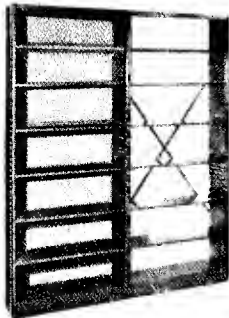
7.

**LOCKING SYSTEM —**

Vandal-proof security lock.



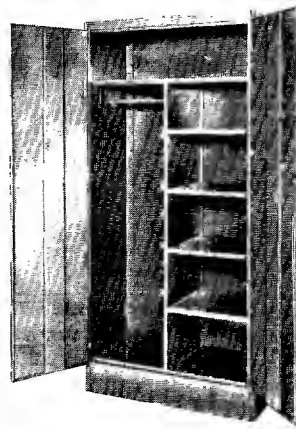




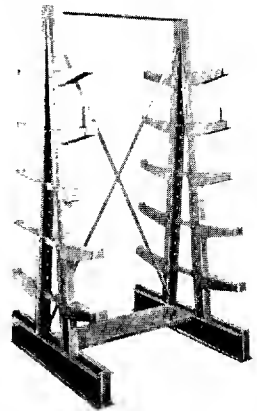
OPEN & CLOSED  
SHELVING



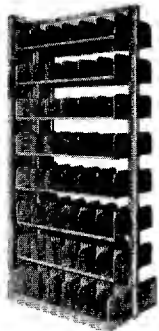
PARTS BINS



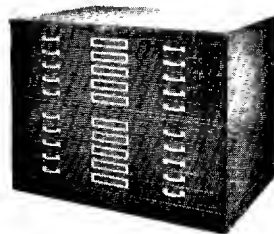
STORAGE CABINETS



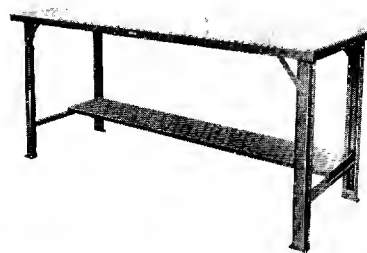
BAR RACKS



OPEN SHELF FILING



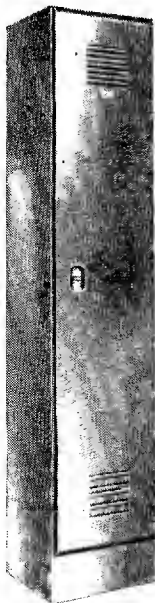
BULEPRINT FILES



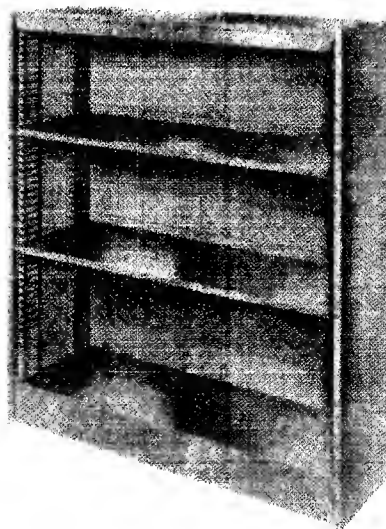
WORK BENCHES



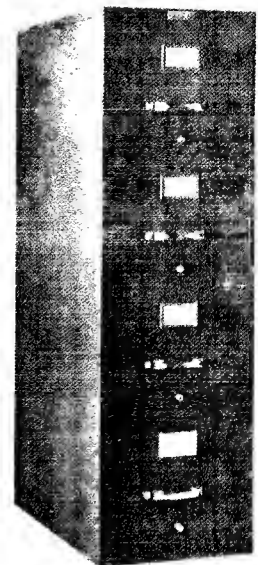
SHOP DESKS



LOCKERS



BOOK SHELVING



FILING CABINETS



Magic Aisle®

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SOLID STATE STORAGE SYSTEMS OFFERS COMPLETE STORAGE  
& FILING EQUIPMENT - GUARANTEED INSTALLATION

SPECIFICATIONS  
ELECTRIC MOTOR OPERATED  
MAGIC AISLE SPACE SAVING STORAGE SYSTEM

GENERAL:

1. All material shall be as manufactured by H.P.H. Industries, Inc., 29000 So. Western Avenue, San Pedro, California 90732. Movable units to be powered electrically in loads up to 300 tons. Rows of shelving shall be moved in either direction to form a solid block, or moved apart individually to create an access aisle wherever needed.
2. The system shall be electrically powered and driven by an endless steel cable, riding on steel rails leveled and flush with finished floor.

MATERIAL:

1. Carriages shall be all welded construction of 12 gauge steel. Two guide bearings shall be mounted on each car to prevent lateral movement.
2. Superstructure to be constructed of 13 gauge steel uprights and 18 gauge adjustable steel shelving all finished in a hard baked enamel.
3. Over-all size of movable carriages and superstructure to be \_\_\_\_\_ wide by \_\_\_\_\_ long by \_\_\_\_\_ high.
4. Rails to be of a solid steel bar 3/4" x 2" with welded anchors and leveling devices.
5. Cable and guide channels to be of 12 gauge formed steel, finished chrome plated.
6. Wheels shall be of high grade ductile iron, heat treated and machined spherically, with full ball-bearings hermetically sealed. Each wheel shall have a minimum rating of one ton capacity.

CONSTRUCTION:

1. Manufacturer to provide and install guide and cable channels, motor frame, and cable tension device. Also level and install rails.
2. Floor loading for installation of Magic Aisle system is to be \_\_\_\_\_ lbs. per sq. ft. Weight for system shall be based at \_\_\_\_\_ lbs. per lineal ft. of shelving filled to capacity and including all equipment.
3. All superstructure shelving shall be light and dust proof by means of a cushion seal stripping adhered to the perimeter of each movable carriage (optional).
4. Electric motor, magnetic starter, junction box, and starter switch shall be installed in accordance with the local codes and specifications. The source must be capable of providing the full load amps (F.L.A.) demanded by the following:

|                  |         |            |                |
|------------------|---------|------------|----------------|
| 1/3 H.P., 3 Ph., | 60 Cy., | 220/440 V. | 1.6/0.8 F.L.A. |
| 1/3 H.P., 3 Ph., | 60 Cy., | 208 V.     | 2.3 F.L.A.     |
| 1/2 H.P., 3 Ph., | 60 Cy., | 220/440 V. | 3.4/1.7 F.L.A. |
| 1/2 H.P., 3 Ph., | 60 Cy., | 208 V.     | 3.6 F.L.A.     |
| 1/3 H.P., 1 Ph., | 60 Cy., | 115/230 V. | 7.6/3.8 F.L.A. |

LOCKING DEVICE:

1. A security locking device, key operated, may be installed (optional).

GUARANTEE:

H.P.H. Industries, Inc., shall provide guarantee against defective workmanship, improper installation and defective parts for a period of one year after final acceptance. H.P.H. Industries, Inc., shall not be responsible for defects due to normal wear and tear.

SPECIFICATIONS  
MANUALLY OPERATED  
MAGIC AISLE SPACE SAVING STORAGE SYSTEM

GENERAL:

1. All material shall be as manufactured by H.P.H. Industries, Inc., 29000 So. Western Avenue, San Pedro, California 90732.
2. Units shall be movable manually in loads up to 12 tons. Rows of shelving shall be moved in either direction to form a solid block, or moved apart to create an access aisle wherever needed. Movement shall be on ball-bearing wheels rolling on steel rails flush with finished floor.

MATERIAL:

1. Carriages shall be all welded construction of 12 gauge steel. Guide bearings shall be mounted on each movable car to maintain perfect alignment.
2. Superstructure to be constructed of 13 gauge steel uprights and 18 gauge adjustable steel shelving. Shelving shall be suitable for filing or storage needs, and finished in a hard baked enamel. Over-all size of movable carriages and superstructure to be \_\_\_\_\_ wide by \_\_\_\_\_ long by \_\_\_\_\_ high.
3. Rails to be of a solid steel bar 3/4" x 2" with welded anchors and leveling devices.
4. Guide channel to be of 12 gauge formed steel, in a hard chromeplated finish.
5. Wheels shall be 5 1/4" diameter of a high grade ductile iron, heat treated and face machined spherically. Ball-bearings shall be hermetically sealed. Each wheel shall have a minimum rating of one ton capacity.

CONSTRUCTION:

1. Manufacturer to provide, level and install guide channel and rails.
2. Floor loading for installation of Magic Aisle system shall be \_\_\_\_\_ lbs. per sq. ft. Weight for system shall be based at \_\_\_\_\_ lbs. per lineal ft. of shelving filled to capacity and including all equipment.
3. All superstructure shelving shall be light and dust proof by means of a cushion seal stripping adhered to the perimeter of each movable carriage (optional).

LOCKING DEVICE:

1. A key operated device shall be installed, locking system in one solid bank when not in use (optional).

GUARANTEE:

H.P.H. Industries, Inc., shall provide guarantee against defective workmanship, material and improper installation for a period of one year after final acceptance by purchaser. H.P.H. Industries, Inc., shall not be responsible for defects due to normal wear and tear.

MANUFACTURED AND DISTRIBUTED BY

H.P.H. INDUSTRIES, INC., 29000 SO. WESTERN AVENUE, SAN PEDRO, CALIFORNIA 90732

PHONES (213) 547-2666 • 775-6261



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